

## ABSTRACT OF THE DISCLOSURE

A transmitting-receiving switching circuit of a wireless communication system comprises a selecting portion for switching the communication system in a waiting mode into a master; a controller for determining a transmitting-receiving frequency according to the operating of the selecting portion and generating a control signal; a band selecting portion for selecting an input signal of an upper band or a lower band of a receiving signal passed through an antenna and a duplexer according to the control signal of the controller; a first switching portion for selecting an upper band pass filter and a lower band pass filter that are operated by the band selecting portion; an amplifying portion for amplifying a received signal passing through the switching portion; a second switching portion for switching the received signal amplified at the amplifying portion according to the operating signal of the band selecting portion and determining whether to be supplied to an upper band filter or a lower band pass filter of a second filtering portion; a mixer for mixing the received signal passing through the second filter with a local oscillator frequency from a local oscillator; a filtering portion for filtering an intermediate frequency from the mixed frequency; and a transmit mode determining portion for determining a transmitting frequency according to a signal outputted from the band selecting portion. Therefore, when any one of the wireless mobile communication systems is determined as a master, the master switches the transmitting-receiving frequency bands into those differing from the slave, thereby preventing the intervention of the transmitting-receiving frequencies with the

slave and enabling the communication between the master and the slave at the same time.